

WHAT IS CLAIMED:

1. (New) A system for treatment and transportation of a flow of fluid hydrocarbons containing water, the system including the following elements which
5 are connected to each other and are listed in a direction of flow:
a connection to a hydrocarbon source;
a first heat exchanger;
a reactor;
a second heat exchanger;
10 a separator; and
a pipeline,
said system further comprising a line which leads from the separator to the reactor and is provided with a pump adapted to recycle material from the separator back
15 to the reactor.
2. (New) The system as claimed in claim 1, wherein an inside of the reactor is coated with a water-repellent material.
- 20 3. (New) The system as claimed in claim 1, further comprising a mixer located between the first heat exchanger and the reactor.
4. (New) The system as claimed in claim 1, further comprising means for adding chemicals to the flow.
25
5. (New) The system as claimed in claim 1, further comprising means, located between the separator and the pipeline, for mixing the flow from the separator with wet gas before the flow enters the pipeline.
- 30 6. (New) The system as claimed in claim 1, further comprising another separator, located between the second heat exchanger and the separator, for recovering hydrocarbon gas from the flow.

7. (New) The system as claimed in claim 1, further comprising means for adding cooled condensate under pressure to the line from the separator to the reactor.

5 8. (New) The system as claimed in claim 2, further comprising a mixer located between the first heat exchanger and the reactor.

9. (New) The system as claimed in claim 2, further comprising means for adding chemicals to the flow.

10

10. (New) The system as claimed in claim 3, further comprising means for adding chemicals to the flow.